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FORM PTO-

RE



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Commissioner of Patents and Trademarks

101101475

copies or copy thereof.

1. Name of conveying party(ies):
John Paul Russell, Christopher David Murton, David Michael Goodman,
Christopher Thomas William Ramsden and James Shields

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: October 2, 1998, October 1, 1998, October 1, 1998
October 2, 1998 and October 15, 1998

2. Name and address of receiving party(ies):

Name: Northern Telecom Limited
Internal Address:
Street Address: World Trade Center of Montreal
380 St. Antoine Street West, 8th Floor, Montreal, Quebec H2Y 3Y4
Canada

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/166,814

B. Patent No.(s)

Additional numbers attached: Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William M. Lee, Jr.
Internal Address: Lee, Mann, Smith, McWilliams, Sweeney & Ohlson
Street Address: P.O. Box 2786
City: Chicago State: Illinois Zip: 60690-2786

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41) \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

12-0913

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William M. Lee, Jr.
Name of Person Signing

William M. Lee
Signature

July 22, 1999
Date

Total number of pages including cover sheet, attachments and document 3

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

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_ Security Agreement _ Change of Name

_ Other _____

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B. Patent No.(s)

Additional numbers attached: Yes No

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Name: William M. Lee, Jr.
Internal Address: Lee, Mann, Smith, McWilliams, Sweeney & Ohlson
Street Address: P.O. Box 2786
City: Chicago State: Illinois Zip: 60690-2786

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41) \$ 40 (previously submitted 11/4/98)

_ Enclosed

_ Authorized to be charged to deposit account

8. Deposit account number:

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William M. Lee, Jr.
Name of Person Signing

William M. Lee
Signature

April 12, 1999
Date

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66-515-99
Mud

ASSIGNMENT

Joint Inventorship

WHEREAS: John Paul Russell of 21 The Orchards, Sawbridgeworth, Hertfordshire, CM21 9BB and Christopher David Murton of 1 Mallard Road, Chelmsford, Essex, CM2 8AR and David Michael Goodman of 111 The Ridgeway, St Albans, Hertfordshire, AL4 9XA and Christopher Thomas William Ramsden of 4 Bengoe Street, Hertford, Hertfordshire, SG14 3ES and James Shields of 35 HUME CRESCENT, OTTAWA, ONTARIO K1G 4R9.

hereinafter called the "Assignors", have made a new and useful

**TITLE: CONCATENATION OF CONTAINERS IN SYNCHRONOUS
 DIGITAL HIERARCHY NETWORK**

REFERENCE: ID 1048

for a full description of which reference is here made to an application for Letters Patent of the United States executed by them of even date herewith.


WHEREAS, NORTHERN TELECOM LIMITED, a Canadian company having a principal office and place of business at, World Trade Center of Montreal, 380 St Antoine Street West, 8th Floor, Montreal, Quebec H2Y 3Y4, Canada hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in the United States in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

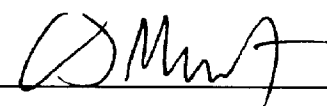
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable and legally sufficient consideration, the receipt of which by the said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these, presents do sell, assign and transfer unto the said Assignee, the entire right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for the said invention to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patent for the said invention may issue.


And the said Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the said Assignee in the prosecution of the application herein identified; in making and prosecution of any other applications for Letter Patent that the said Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, including any application for reissue, application for reexamination, or any proceeding in the United States Patent and Trademark Office affecting said invention, investing in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letter Patent Herein contemplated; and that they will promptly execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this assignment.


And the Commissioner of Patents and Trademarks is hereby authorised and requested to issue Letters Patent to the said Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set their hand on the date indicated below.

Dated: 2/10/98 
Print Name John Paul Russell

Dated: 1st Oct '98 
Print Name Christopher David Murton

Dated: 1 Oct '98 
Print Name David Michael Goodman

Dated: 2/10/98 
Print Name Christopher Thomas William Ramsden

Dated: J.A. Shields 15th Oct 1998.

Print Name James Shields



11-25-1998



100909337

FORM PTO-1595

ID1048

U.S. Department of Commerce
Patent and Trademark Office

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John Paul Russell
Christopher David Murton
David Michael Goodman
Christopher Thomas William Ramsden
James Shields

Additional name(s) and address(es)? Yes No

MRD 11-9-98

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State: Quebec Canada H2Y 3Y4

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Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 2 Oct 1998, 1 Oct 1998, 1 Oct 1998, 2 Oct 1998, 15 Oct 1998

4. Application number(s) or patent number(s).

This document is being filed together with a new application.

Title: **CONCATENATION OF CONTAINERS IN SYNCHRONOUS DIGITAL HIERARCHY NETWORK**
Docket No: ID1048

A. Patent Application No.(s)
S.N.

Additional numbers attached? Yes No

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John D. Crane
Northern Telecom Limited
Address: P.O. Box 832130
City: Richardson
State: TX Zip: 75083-2130

6. Number of applications and patents involved: 1

7. Amount of fee enclosed or authorized to be charged: \$40

8. Deposit Account No: 50-0210 (Attach duplicate copy if paying by deposit account) **This form is submitted in duplicate.**

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date Nov. 4, 1998

John D. Crane, Reg. No.25,231

Total Number of Pages Including Cover Sheet, Attachments, and Document: 4

Please acknowledge
receipt of the
enclosed:

Russell

SERIAL NO: 09/166,814

FILING DATE: October 6, 1998

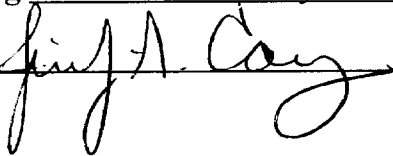
1. Letter from PTO dated 6/23/99
2. New Assignment Transmittal
3. Assignment
4. Check No. 34940 for \$40.00
5. Return Post Card.

DATE SENT: July 22, 1999

jac

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to "Assistant Commissioner of Patents, Box: Assignment, Washington, D.C. 20231" on July 22, 1999.

Name of person signing Jennifer A. Carey

Signature 

476-1709

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 23, 1999

LEE, MANN, SMITH, MCWILLIAMS, ET AL
WILLIAM M. LEE, JR
P.O. BOX 2786
CHICAGO, IL 60690-2786



101013660A

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ALLYSON PURNELL, EXAMINER
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